Tecumseh

THB1355YXA

General Information

Model	THB1355YXA	Refrigerant	R-134a
Test Condition	ASHRAE	Performance Test Voltage	115V ~ 60HZ
Return Gas	32.2°C (90°F) RETURN GAS	Motor Type	N/A

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-40	Btu/h	332	295	259	222	185	148	111
	Watts	94.2	88.2	82.2	76.2	70.2	64.2	58.1
	Amps	1.95	1.92	1.89	1.86	1.82	1.79	1.76
	Lb/h	4.38	3.88	3.39	2.90	2.41	1.92	1.43
-35	Btu/h	382	345	308	271	234	197	159
	Watts	104	99.0	93.8	88.6	83.3	78.1	72.8
	Amps	1.96	1.93	1.90	1.88	1.85	1.82	1.80
	Lb/h	4.87	4.39	3.91	3.42	2.94	2.46	1.98
-30	Btu/h	439	403	366	328	291	254	216
	Watts	114	109	105	101	96.2	91.8	87.3
	Amps	1.97	1.95	1.93	1.91	1.89	1.87	1.85
	Lb/h	5.51	5.03	4.56	4.08	3.61	3.14	2.66
-25	Btu/h	506	468	431	394	357	319	281
	Watts	123	120	116	113	109	105	102
	Amps	2.00	1.98	1.97	1.95	1.94	1.92	1.91
	Lb/h	6.28	5.81	5.35	4.88	4.41	3.94	3.48
-20	Btu/h	580	543	506	469	431	393	356
	Watts	133	130	127	125	122	119	116
	Amps	2.04	2.03	2.02	2.01	2.00	1.99	1.98
	Lb/h	7.18	6.72	6.26	5.80	5.34	4.88	4.42
-15	Btu/h	664	627	589	552	515	477	439
	Watts	142	140	138	137	135	133	131
	Amps	2.09	2.08	2.08	2.07	2.07	2.06	2.06
	Lb/h	8.22	7.76	7.31	6.86	6.40	5.95	5.50
-10	Btu/h	757	720	682	645	608	570	532
	Watts	152	151	150	149	148	147	146
	Amps	2.15	2.15	2.15	2.15	2.15	2.15	2.15
	Lb/h	9.38	8.93	8.48	8.03	7.59	7.14	6.69
-5	Btu/h	859	822	785	748	711	673	635
	Watts	162	162	162	162	162	162	161
	Amps	2.22	2.22	2.23	2.23	2.24	2.24	2.25
	Lb/h	10.7	10.2	9.78	9.34	8.90	8.45	8.01

0	Btu/h	972	935	898	861	824	786	748
	Watts	172	173	174	175	176	177	177
	Amps	2.30	2.31	2.32	2.33	2.34	2.35	2.36
	Lb/h	12.1	11.6	11.2	10.8	10.3	9.89	9.45
5	Btu/h	1090	1060	1020	984	947	910	872
	Watts	183	185	187	189	190	192	194
	Amps	2.38	2.40	2.41	2.43	2.44	2.46	2.47
	Lb/h	13.6	13.2	12.7	12.3	11.9	11.4	11.0
10	Btu/h	1230	1190	1160	1120	1080	1040	1010
	Watts	195	197	200	203	206	209	212
	Amps	2.47	2.49	2.51	2.53	2.55	2.57	2.59
	Lb/h	15.3	14.8	14.4	14.0	13.5	13.1	12.7

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.265675E+03	1.638746E+02	2.217368E+00	1.558269E+01
C2	2.327833E+01	6.106876E-01	8.521553E-03	2.867669E-01
C3	-3.680353E+00	1.011072E-01	9.765746E-04	-4.388178E-02
C4	1.993691E-01	8.088578E-03	1.779473E-04	2.525927E-03
C5	3.588643E-03	1.900816E-02	9.765746E-05	1.030183E-04
C6	3.999466E-04	4.494958E-05	-2.632071E-07	1.234421E-06
C7	4.575527E-04	1.661414E-04	-7.572168E-07	-2.851307E-06
C8	9.145079E-05	3.932209E-05	-1.782478E-07	-1.098053E-06
C9	-4.298903E-06	-5.459300E-07	3.285295E-09	-5.572911E-08
C10	-3.611264E-06	-5.493181E-07	3.011736E-09	-3.601687E-09

$$\text{Value} = C_1 + C_2 * T_e + C_4 * T_e^2 + C_7 * T_e^3 + (C_3 + C_5 * T_e + C_8 * T_e^2) * T_c + (C_6 + C_9 * T_e) * T_c^2 + C_{10} * T_c^3$$

T_e = Evaporator Temperature

T_c = Condensing Temperature